

CLAIMS

1. A method of producing a superconductor, comprising the step of forming a superconducting layer on a base layer by performing a film deposition at least two times, wherein the film thickness of a superconducting film made in each
5 film deposition is $0.3\text{ }\mu\text{m}$ or less.
2. A method of producing a superconductor according to claim 1, wherein the superconducting layer having a layer thickness in the range of $0.75\text{ }\mu\text{m}$ to $3\text{ }\mu\text{m}$ is formed on the base layer by performing the film deposition at least three times.
- 10 3. A method of producing a superconductor according to claim 1 or claim 2, wherein a supply area velocity of the base layer in each film deposition is at least $0.04\text{ m}^2/\text{h}$.
4. A superconductor comprising a superconducting layer formed by performing film deposition on a base layer at least three times, wherein the
15 superconducting layer has a layer thickness in the range of $0.75\text{ }\mu\text{m}$ to $3.0\text{ }\mu\text{m}$, the film thickness of a superconducting film made in each film deposition being $0.3\text{ }\mu\text{m}$ or less.